

ABSTRACT

The invention provides a helical antenna to broadcast a signal from an input line. The antenna includes a base plate and a dielectric rod mounted on the base plate. A conductive helix, surrounds the dielectric rod, and the rod has a pitch angle of at least 12 degrees. A matching
5 network is connected to the conductive helix, to match an impedance of the conductive helix with an impedance of the signal.

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